

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of:

Applicant: Tasaka et al.

Div. of

Serial No.: 10/139,888

Div. Filed: February 18, 2004

For: LIQUID CRYSTAL  
DISPLAY DEVICE

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)  
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INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This IDS is submitted under 37 C.F.R. §1.97(b) within either of the following time periods, whichever occurs last:

- (a) within three months of either the filing date of the national application or the date of entry into the national stage; or
- (b) before the mailing date of first office action on the merits (i.e., not including actions such as restriction requirements).

Applicant(s) submit herewith Form PTO-1449 (Information Disclosure Citation) together with copies of the foreign patents, publications or other information of which applicant(s) are aware, which applicant(s) believe may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 C.F.R. §1.56. Copies of the U.S. Patent documents listed on the PTO-1449 are not being enclosed herewith. Applicant(s) respectfully submit that the citation of any reference on Form PTO-1449 does not constitute an admission that the reference qualifies as prior art.

It is requested that the information disclosed on the enclosed Form PTO-1449 be made of record in this application.

The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or to credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO-1449 U.S. Department of Commerce (Rev. 8-88) Patent and Trademark Office				Attorney Docket No.: 2803.69735		Div. of Serial No.: 10/139,888	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicant: Tasaka et al.			
				Filing Date: February 18, 2004		Group:	
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	5,629,056	May 13, 1997	Koike et al.	428	1	Jun. 21, 1996	
	5,856,431	Jan. 5, 1999	Gibbons et al.	528	353	Nov. 7, 1997	
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	5,657,102	Aug. 12, 1997	Mizushima et al.	349	124	Jan. 28, 1994	
<b>FOREIGN PATENT DOCUMENTS</b>							
	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	2-55330	Feb. 23, 1990	Japan				X
	6-289374	Oct. 18, 1994	Japan			Abs.	
	7209646	Aug. 11, 1995	Japan			Abs.	
	8-15681	Jan. 19, 1996	Japan				X
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	8152638	June 11, 1996	Japan			Abs.	
	9005750	Jan. 10, 1997	Japan			Abs.	
	9-197409	July 31, 1997	Japan			Abs.	
	9-211456	Aug. 15, 1997	Japan			Abs.	
	9211468	Aug. 15, 1997	Japan			Abs.	
	9318946	Dec. 12, 1997	Japan			Abs.	
	10104630	April 24, 1998	Japan			Abs.	
	10-123521	May 15, 1998	Japan			Abs.	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
	Yoshida et al. "Inclined Homeotropic Alignment by Irradiation of Unpolarized UV Light", Japanese Journal of Applied Physics, Part 2, Vol. 36, pages L428-431.						
Examiner				Date Considered			
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							